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OXC 5609  
Copy 5 of 6

11 SEP 1963

MEMORANDUM FOR: Deputy for Field Activities, OSA  
SUBJECT: A-12 Simulator Justification

1. The recent crash of aircraft No. 123 reaffirmed the need for a simulator. Although the simulator ~~would~~ not have prevented the crash, it would have given the pilot the opportunity to have practiced a similar emergency.

2. A simulator is an invaluable aid in decreasing reaction time of pilots in actual emergencies. These can be practiced until the reaction is automatic.

3. Not only can emergency procedures be learned, but also the concept of coping with a machine whose performance is so much greater than others, can be mastered. Items like rendezvous, navigation, climb, fuel flow, fuel monitoring and all flight characteristics throughout the full flight envelope are procedures that are far more critical than in other aircraft.

4. With the advent of the AF-12 and R-12, the number of pilots who will be current in the A-12 type aircraft will greatly increase.

5. It is felt that this simulator should be purchased now and not three years from now when the need will diminish.

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6. It is not mandatory that the simulator be installed  . Edwards AFB, Beale AFB, or any other location convenient to both the USAF   would be satisfactory.

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Lt. Colonel USAF  
Chief, Operations Division, OSA

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